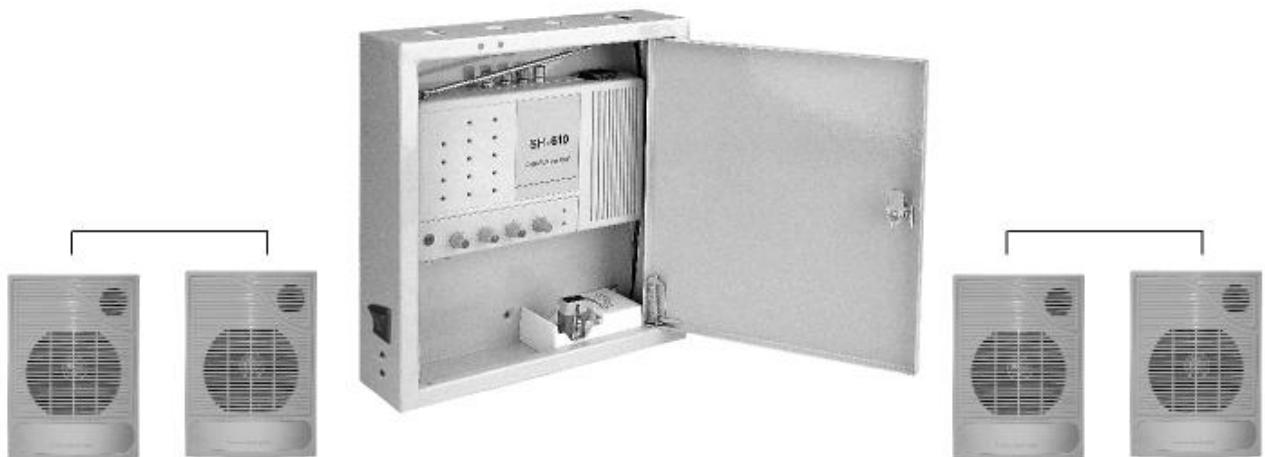


MANUAL

Wireless PA Amplifier System



CLASSROOM/MEETING ROOM

We thank you for your purchasing this amplifier system. Before start to use this amplifier system, please read the manual book thoroughly and carefully. Please keep this instruction book in a safe place after reading for future use.

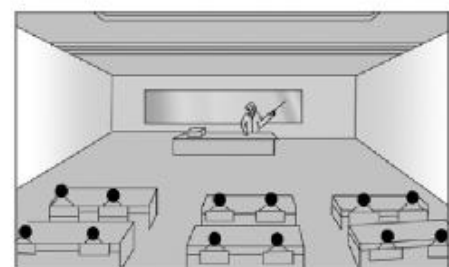
SAFETY OPERATING INSTRUCTION

1. Please follow and observe all the warning labels instructions on the unit or in the manual when using this system.
2. Please operate this system in accordance with the instructions of this manual.
3. Don't put this system near the moisture place e.g. bathroom, water pipe or moisture basement.
4. This system should be mounted in a settle place. Don't put it in an unstable place.
5. This system must be connected to the correct power voltage stated on the unit with labels or in the manual.
6. Make sure the ventilation of the machine, remain minimum 20cm room around it.
7. After use this system, make sure to switch the main power in OFF position and pull off the AC power line if you are not going to use it for a long time.

Basic Features of the Amplifier

1. Wall-mounted with a metal anti-theft case for easy keeping and convenient usage.
2. With this system inside the classroom for helping the teacher to be heard clearly and loudly with an even voice. And this can help improving the teaching quality.
3. The main control machine with digital switch power source (computer power source) has perfect protection function.
4. The main control machine is mounted inside the metal case and there is room for putting

	CAUTION RISK OF ELECTRIC SHOCK DO NOT OPEN	
CAUTION: Warning: Don't dismantle this product. The maintenance and inspection should be carried out by a qualified technician to avoid the risk of electric shock and damaging the components.		



Classroom

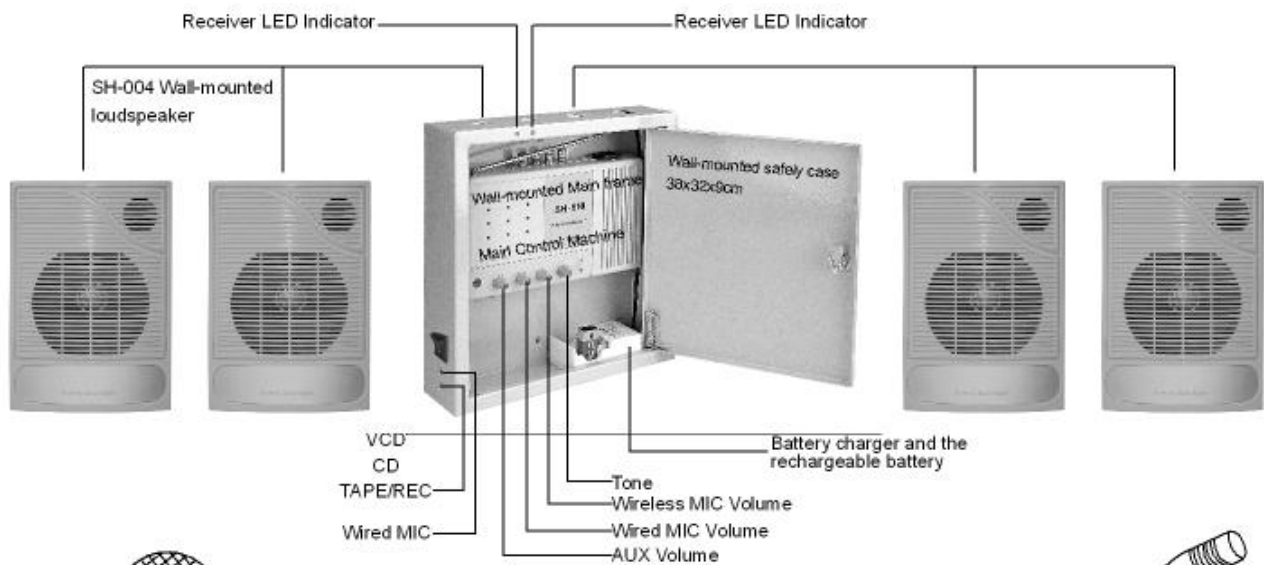
the wireless handheld microphone, lavalier microphone with transmitter and rechargeable battery inside the case.

5. This system can be designed and installed in your specific requirement.

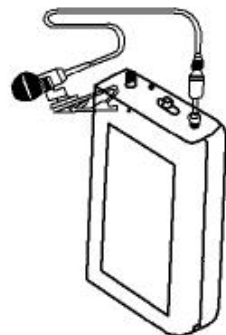


Aerobics

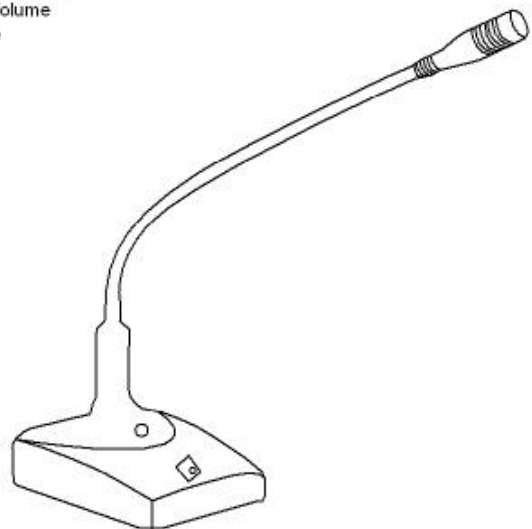
Components



Handheld wireless MIC
(optional)



Lavalier wireless
Microphone



Meeting wireless MIC
(optional purchase)

Standard match

1. One main fame.
2. Four SH-004 loudspeakers.
3. One Lavalier wireless MIC.
4. One wall-mounted safety case.

Main Features:

Adaptable power supply:	AC 220V/50Hz
Output power:	25Wx4
Impedance:	6 Ω
Frequency response:	150-18000Hz
Sensitivity:	88dB
Frequency range:	VHF 165-265 MHz(60 groups of frequency range for selection, if using 60 sets of this system in 60 classrooms at the same time, there is no interference with each other).
Oscillating method:	$\pm 0.005\%$ quartz oscillating locked
Wireless effective distance:	35 meters
Receiver channel:	single channel receiver

Note: The single channel system allows one microphone to work only at the same time; two channels system allows two microphones to work at the same time.

Main Control Machine Operating Method:

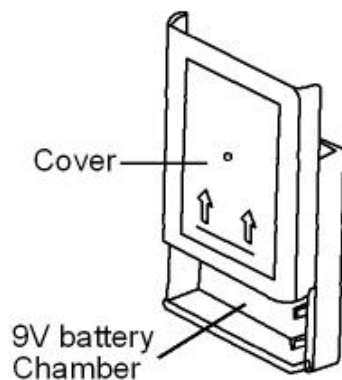
1. Make sure to connect to the AC 220V power source.
2. Switch ON the Machine, the LED indicator lights, shows normal functions working.
3. Adjust the volume knob to the desirable level to achieve the perfect sound.

NOTE: The switch must be in "OFF" position after use. AC power plug must be pulled off if you are not going to use it for a while.

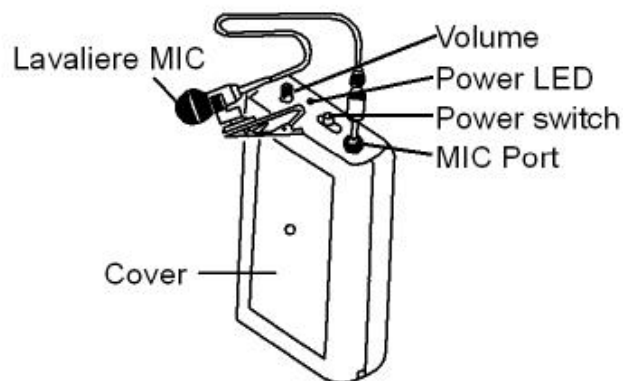
How to use the Lavalier Microphone

1. Open the battery compartment by sliding up the cover.
2. Put the battery into the compartment with correct polarity, and close the cover.
3. Plug the Lavalier microphone part to the jack.
4. Switch on the power of the transmitter and when the LED lights, it is ready to work.
5. Be careful to adjust the main control of the transmitter, start from least volume and slowly turn it to a appropriate level to hear your voice clearly and with feedback. The system is ready to use.
6. After use, you have to take the battery out of the transmitter to avoid battery leaking to damage the transmitter.

Caution: If the LED is dim or not very bright, it shows the battery is low in power or you put on wrong polarity. You have to change the battery or polarity.



Wireless transmitter

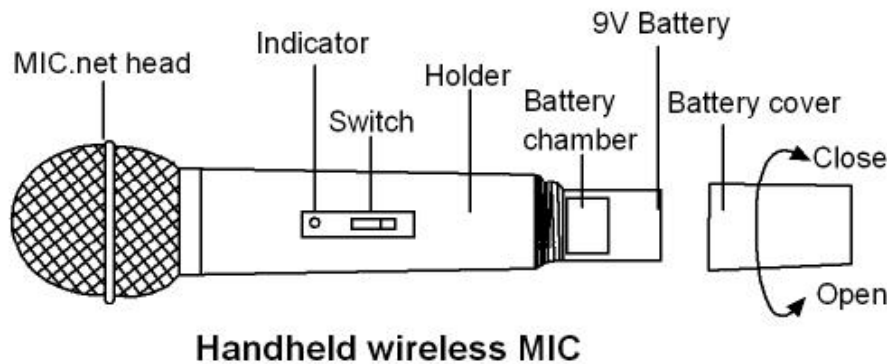


Lavalier wireless MIC

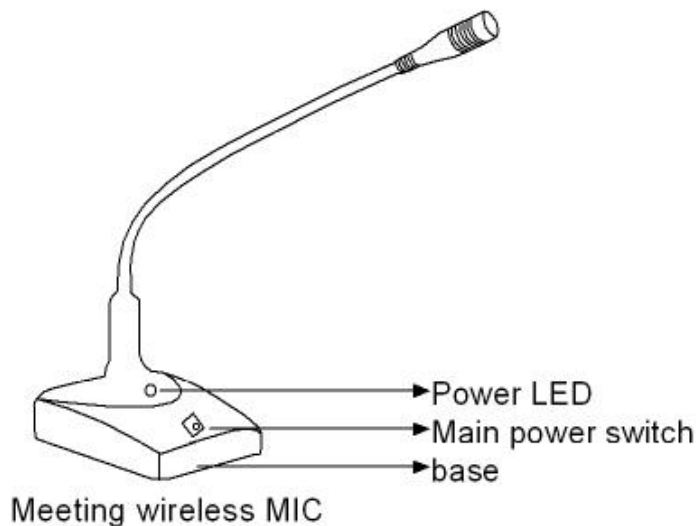
How to use the handheld Microphone

1. Open the battery cover.
2. Put the battery into the compartment and make sure you have a right polarity before you use it.
3. Turn the switch to ON and you can use the Microphone now.
4. Turn off it after use. Please take the battery out if you are not going to use it for a period of time.

Caution: If the LED flash up, it show the battery is good to use. If the LED is on, it shows that the battery is low, you have to change the battery before you can use the system. If the LED does not flash and not on, it shows the battery is dead or polarities are wrong.



The operating instructions for the Meeting(soft tube) wireless/cable dual-purpose MIC



1. Remove the cover of the battery of the base, make sure to put in the 9V battery in correct polarity and put on the cover.
2. Make sure the power supply switch is in ON position, the power supply indicated LED light, the MIC can be operated well.
3. After use, make sure to push the switch button to OFF position. Take out the 9V battery to avoid the battery leaking to damage the microphone, if you are not going to use it for a period of time.

How to use the wired MIC

Plug the microphone to the input jack & adjust the volume to the desirable level.

How to connect to the amplifier or recorder?

Audio signal output, connect the amplifying or recording input, it can work normally.

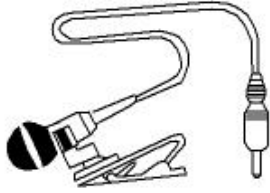
Cautions and trouble shooting

Please go through this manual carefully before operation, if you notice any abnormality regarding the amplifier, contact the dealer for services or you may have a simple check as follows:

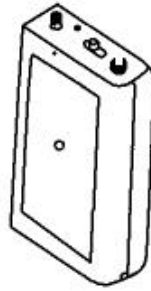
1. Make sure the correct polarity of the 9V battery when use it, or it does not work.
2. Switch off the power of amplifier and transmitter and pull off the AC power plug.
3. When using the microphone and feedback occur...
 - 1) Adjust the amplifier volume.
 - 2) Adjust the transmitter volume.
 - 3) Move any direction or make a distance between the amplifier and MIC until the feedback is gone.
4. If noises and voice interruption occur:
 - 1) Battery of the wireless MIC is weak, replace a new one.
 - 2) AC power should be applied in case of weak power of accumulator when using accumulator in the amplifier.
 - 3) A new MIC wire should be replaced when the MIC wire is wearing out.
5. NO sound:
 - 1) Make sure the volume of the amplifier and transmitter is well adjusted.
 - 2) Check if the lavalier MIC is damaged, if so, new one should be replaced.
6. Remove the 9V battery to avoid the leakage of acid and damaging the components.



Options of accessories



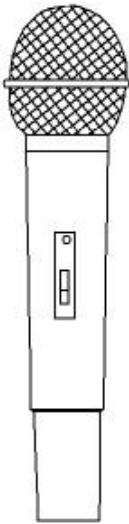
X-007
Lavalier MIC



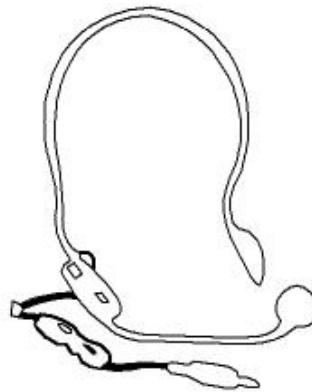
wireless transmitter



Lavalier wireless MIC



X-011
Handheld wireless MIC



X-021
Headset MIC



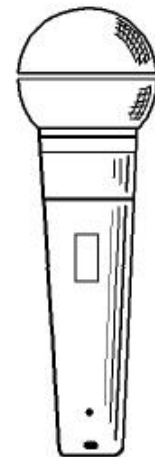
Meeting wireless MIC



K-061
8.4V/150mAh
Ni-MH rechargeable battery
(Repeat usage 700 times)

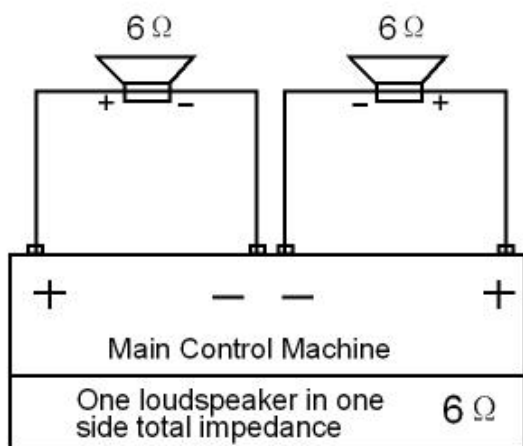
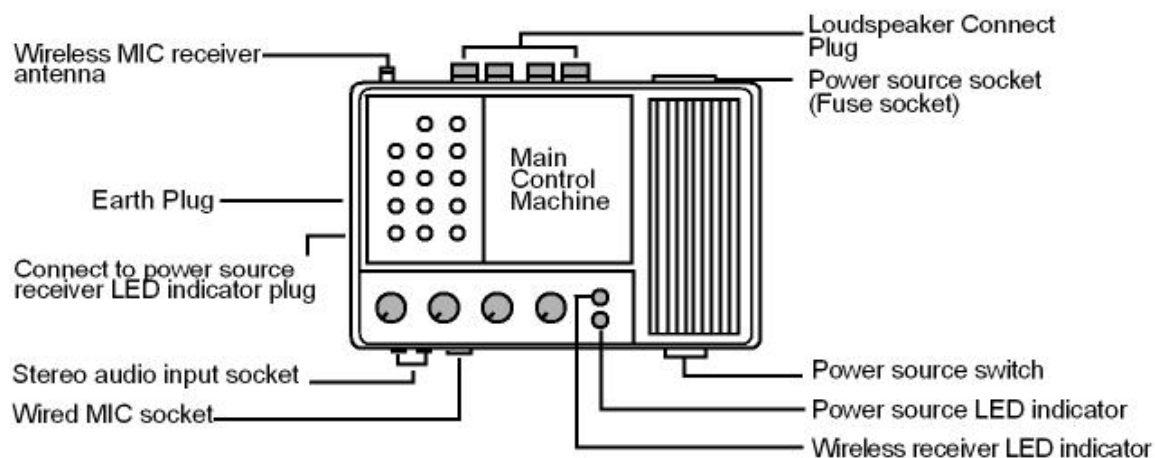


SH-004
Loudspeaker

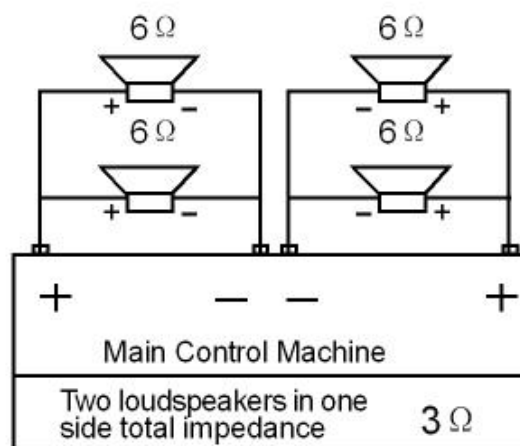


Wired MIC

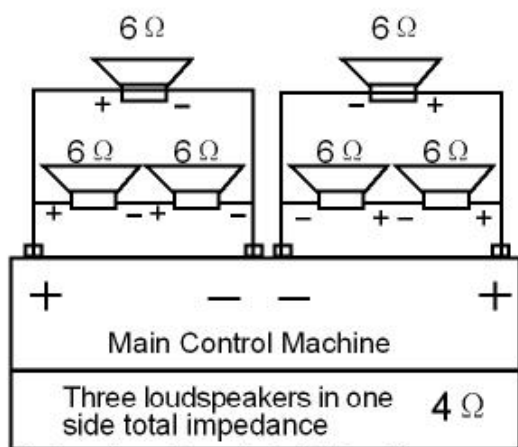
Installation method:



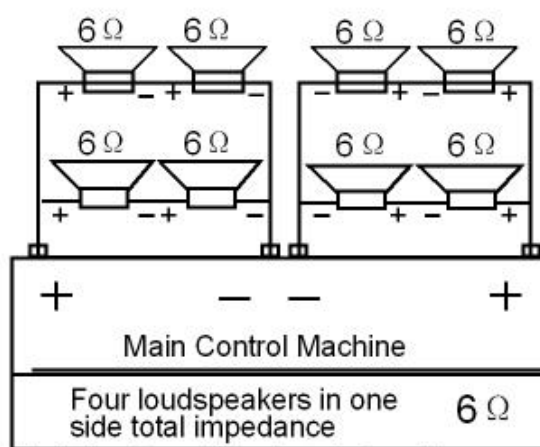
Two loudspeakers installation diagram



Four loudspeakers installation diagram



Six loudspeakers installation diagram



Eight loudspeakers installation diagram

Total impedance in one side can not be less than $3\ \Omega$, otherwise, the main control machine would be too heat or burning-out!

Caution/Warning:

1. The power source must be connected to earth plug. The earth plug of the main control machine and the safety case must be connected together, if not, noise will occur.
2. Make sure to connect the right polarity of the loudspeaker, otherwise, scream will occur heavier and the volume will reduce.
3. The loudspeaker of each side must be connected independently, right side must be connected to right side, left side must be connected to left side. Be careful, don't connect the right side loudspeaker with the left side one, or it will burn the main control machine.
4. Total impedance in one side can not be less then $3\ \Omega$, otherwise, the main control machine would be too heat or burning-out when operating for a period of time!
5. The wireless effective distance can be farther if the antenna in the metal safety case can be pulled outside of the metal case with conductor.

FCC NOTE:

THE MANUFACTURER IS NOT RESPONSIBLE FOR ANY RADIO OR TV INTERFERENCE CAUSED BY UNAUTHORIZED MODIFICATIONS TO THIS EQUIPMENT. SUCH MODIFICATIONS COULD VOID THE USER'S AUTHORITY TO OPERATE THE EQUIPMENT.